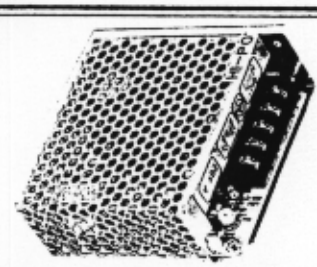
MEAN WELL
SWITCHING POWER SUPPLY

S-25 SERIES

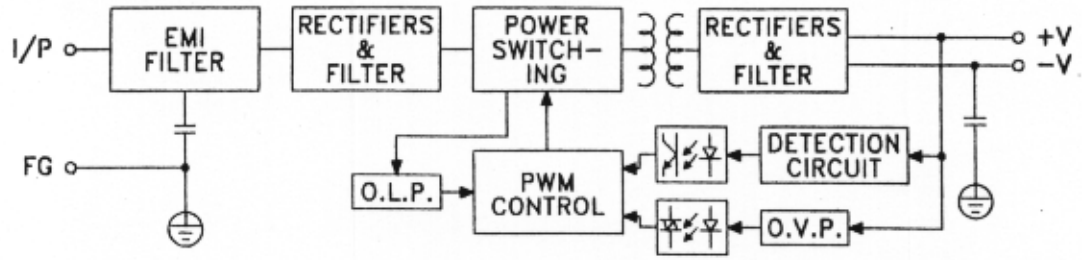
- LOW COST, HIGH RELIABILITY
- COMPACT SIZE, LIGHT WEIGHT
- 105℃ OUTPUT CAPACITOR
- 100% FULL LOAD BURN-IN TEST
- INTERNATIONAL AC INPUT RANGE
- BUILT IN EMI FILTER, LOW RIPPLE NOISE
- HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- SHORT CIRCUIT, OVERLOAD, OVERVOLTAGE PROTECTED



MODEL / SPECIFICATION	S-25-5	S-25-12	S-25-15	S-25-24
DC OUTPUT VOLTAGE	5V	12V	15V	24V
OUTPUT V. TOLERANCE	±2%	±1%	±1%	±1%
OUTPUT RATED CURRENT	5A	2.1A	1.7A	1.1A
OUTPUT CURRENT RANGE	0-5A	0-2.1A	0-1.7A	0-1.1A
RIPPLE & NOISE (p-p)	50mVp-p	100mVp-p	100mVp-p	100mVp-p
LINE REGULATION	±0.5%	±0.3%	±0.3%	±0.2%
LOAD REGULATION	±0.5%	±0.3%	±0.3%	±0.2%
DC OUTPUT POWER	25W	25.2W	25.5W	26.4W
EFFICIENCY	73%/115VAC	79%/115VAC	80%/115VAC	83%/115VAC
DC VOLTAGE ADJ.	+10,-5%	±10%	±10%	±10%
INPUT VOLTAGE RANGE	85～264VAC			
INPUT FREQUENCY	47～63Hz			
AC CURRENT	0.6A/115V 0.3A/230V			
INRUSH CURRENT	COLD START 15A/115V 30A/230V			
OVERLOAD PROTECTION	105%～150% TYPE:FOLDBACK CURRENT SHUTDOWN RECOVERY:AUTO			
OVER V. PROTECTION	115%～135%			
OVER TEMP. PROTECTION	-----			
TEMP. COEFFICIENT	±0.03% / ℃			
SETUP,RISE,HOLD UP TIME	800ms, 50ms, 10ms/115VAC 300ms, 50ms, 80ms/230VAC			
WITHSTAND VOLTAGE	I/P-O/P:1.5KV I/P-FG:1.5KV O/P-FG:0.5KV 1min.			
WORKING TEMP.,HUMIDITY	-10℃～+60℃, 20%～90% RH (REFER TO OUTPUT DERATING CURVE)			
STORAGE TEMP.,HUMIDITY	-20℃～+85℃, 10%～95% RH			
DIMENSION	99*97*35mm CASE:905			
WEIGHT	0.35Kgs			
SAFETY	UL1012 APPROVED			
EMC	MEET FCC PART15 J CONDUCTION CLASS B			

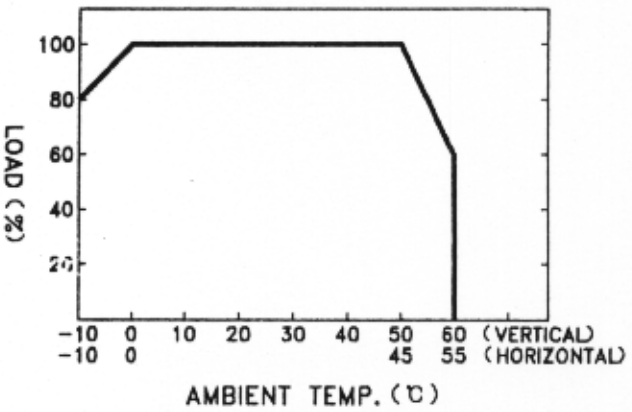
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25℃ AMBIENT.
2.TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

BLOCK DIAGRAM

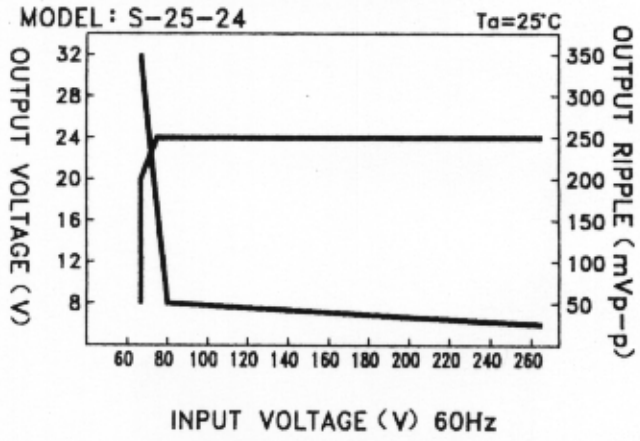


fosc : 56KHz

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- CASE : 905
- TERMINAL PIN NO. ASSIGNMENT
  - PIN 1 : DC OUTPUT -V
  - PIN 2 : DC OUTPUT +V
  - PIN 3 : FG ⏚
  - PIN 4,5 : AC INPUT